

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT Modified PTO Form 1449	Docket No. 00395/45	Conf. No. 7867
Serial No. 10/569,315	Examiner Paul V. Ward	Art Unit 1624
Title: THERAMEUTIN MODULATORS	Filing Date April 28, 2008	Inventor(s) Gerard M. HOUSEY

U. S. PATENT DOCUMENTS

EXAMINER INITIAL	PATENT NUMBER	PATENT DATE	NAME	CLASS	SUBCLASS	FILING DATE
	5,506,107	April 9, 1996	Cunningham et al.			
	6,004,931	December 12, 1999	Cunningham et al.			
	2003/0162222 A1	August 28, 2003	Warmuth et al.			

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	WO 02/102976	6/14/2002	WIPO				
	WO 05/115992	5/23/2005	WIPO				

OTHER DOCUMENTS

EXAMINER INITIAL		AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.
		Adcock, I.M., Lane, S.J. Mechanisms of Steroid Action and Resistance in Inflammation. Journal of Endocrinology, Volume 178 (September 2003) Pages 347-355
		Allen, P.B., Wiedemann, L.M. An Activating Mutation in the ATP Binding Site of the ABL Kinase Domain. The Journal of Biological Chemistry, Volume 271 (August 9, 1996) Pages 19585-19591
		Barthe, C., Cony-Makhoul, P., Melo, J.V., Reiffers, J., Mahon, F,X. Roots of Clinical Resistance to STI- 571 Cancer Therapy. Science, Volume 293 (September 21, 2001) Page 2163a
		Berge, S.M., Bighley, L.D., Monkhouse, D.C. Pharmaceutical salts. Journal of Pharmaceutical Science, Volume 66:1 (January 1977) Pages 1-19.
		Bolstad, B.M., Irizarry, R.A., Astrand, M., Speed, T.P. A Comparison of Normalization Methods for High Density Oligonucleotide Array Data Based on Variance and Bias. Bioinformatics, Volume 19 (January 22, 2003) Pages 185-193.
		Branford, S., Rudzki, Z., Walsh, S., Grigg, A., Arthur, C., Taylor, K., Hermann, R., Lynch, K.P., Hughes, T.P. High Frequency of Point Mutations Clustered Within the Adenosine Triphosphate-Binding Region of BCR/ABL in Patients with Chronic Myeloid Leukemia or Ph-positive Acute Lymphoblastic Leukemia Who Develop Imatinib (STI571) Resistance. Blood, Volume 99 (May 1, 2002) Pages 3472-3475.
		Breshears, S.R., Wang, S.S., Bechtolt, S.G., Christensen, B.E. Purines. VIII: The Aminolysis of Certain Chlorosubstituted Purines. Journal of the American Chemical Society, Volume 81 (July 20, 1959) Pages 3789-3792.
		Burbaum, J.J., Ohlmeyer, M.H., Reader, J.C., Henderson, I., Dillard, L.W., Li, G., Randle, T.L., Sigal, N.H., Chelsky, D., Baldwin, J.J. A paradigm for drug discovery employing encoded combinatorial libraries. Proceedings of the National Academy of Science U S A, Volume 92 (June 20, 1995) Pages 6027-6031.

EXAMINER INITIAL		AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.
		Capps, T.M., Heard, N.E., Simmons, D.P., Connor, C.L. Identification and Synthesis of a Unique Disulfide Dimeric Metabolite of Primisulfuron-methyl in the Mouse. Journal of Agricultural and Food Chemistry, Volume 41 (1993) Pages 2411-2415
		Corbin, A.S., Buchdunger, E., Pascal, F., Druker, B.J. Analysis of the Structural Basis of Specificity of Inhibition of the Abl Kinase by STI571. The Journal of Biological Chemistry, Volume 277 (August 30, 2002) Pages 32214-32219
		Daley, G.Q., Van Etten, R.A., Baltimore, D. Induction of Chronic Myelogenous Leukemia in Mice by the P210^{bcr/abl} Gene of the Philadelphia Chromosome. Science, Volume 247 (February 16, 1990) Pages 824-830
		Davis, T.L. The Mechanism of Reactions in the Urea Series. Proceedings of the National Academy of Sciences of the United States of America, Volume 11 (1925) Pages 68-73
		Druker, B.J., M.D., Sawyers, C.L., M.D., Kantarjian, H., M.D., Resta, D. J., R.N., Reese, S.F., M.D., Ford, J.M., M.D., Capdeville, R., M.D., Talpaz, M., M.D. Activity of a Specific Inhibitor of the BCR-ABL Tyrosine Kinase in the Blast Crisis of Chronic Myeloid Leukemia and Acute Lymphoblastic Leukemia with the Philadelphia Chromosome. The New England Journal of Medicine, Volume 344 (April 5, 2001) Pages 1038-1042
		Druker, B.J., M.D., Talpaz, M., M.D., Resta, D.J., R.N., Peng, B., Ph.D., Buchdunger, E., Ph.D., Ford, J.M., M.D., Lydon, N.B., Ph.D., Kantarjian, H., M.D., Capdeville, R., M.D., Ohno-Jones, S., B.S., Sawyers, C. L., M.D. Efficacy and Safety of a Specific Inhibitor of the BCR-ABL Tyrosine Kinase in Chronic Myeloid Leukemia. The New England Journal of Medicine, Volume 344 (April 5, 2001) Pages 1031-1037
		Druker, B.J., Tamura, S., Buchdunger, E., Ohno, S., Segal, G.M., Fanning, S., Zimmermann, J., Lydon, N.B. Effects of a Selective Inhibitor of the Abl Tyrosine Kinase on the Growth of Bcr-Abl Positive Cells. Nature Medicine, Volume 2:5 (May 1996) Pages 561-566
		Faderl, S., M.D., Talpaz, M., M.D., Estrov, Z., M.D., O'Brien, S., M.D., Kurzrock, R., M.D., Kantarjian, H. M., M.D. The Biology of Chronic Myeloid Leukemia. The New England Journal of Medicine, Volume 341 (July 15, 1999) Pages 164-172
		Gambacorti-Passerini, C., Barni, R., Le Coutre, P., Zucchetti, M., Cabrita, G., Cleris, L., Rossi, F., Gianazza, E., Brueggen, J., Cozens, R., Pioltelli, P., Pogliani, E., Corneo, G., Formelli, F., D'Incalci, M. Role of α1 Acid Glycoprotein in the <i>In Vivo</i> Resistance of Human BCR-ABL⁺ Leukemic Cells to the Abl Inhibitor STI571. Journal of the National Cancer Institute, Volume 92 (October 18, 2000) Pages 1641-1650
		Gineinah, M.M., El-Sherbeny, M.A., Nasr, M.N., Maarouf, A.R. Synthesis and Antiinflammatory Screening of Some Quinazoline and Quinazoly-4-oxoquinazoline Derivatives. Archiv der Pharmazie – Pharmaceutical and Medicinal Chemistry, Volume 335 (2002) Pages 556-562
		Goodnow, R.A., Jr., Guba, W., Haap, W. Library design practices for success in lead generation with small molecule libraries. Combinatorial Chemistry and High Throughput Screening, Volume 6 (November 2003) Pages 649-660.
		Gorre, M.E., Mohammed, M., Ellwood, K., Hsu, N., Paquette, R., Rao, P.N., Sawyers, C.L. Clinical Resistance to STI- 571 Cancer Therapy Caused by BCR- ABL Gene Mutation or Amplification. Science, Volume 293 (August 3, 2001) Pages 876-880
		Hanke, J.H., Gardner, J.P., Dow, R.L., Changelian, P.S., Brissette, W.H., Weringer, E.J., Pollok, B.A., Connelly, P.A. Discovery of a novel, potent, and Src family-selective tyrosine kinase inhibitor. Study of Lck- and FynT-dependent T cell activation. Journal of Biological Chemistry, Volume 271:2 (January 1996) Pages 695-701.
		Hofmann, W.K., Jones, L.C., Lemp, N.A., DeVos, S., Gschaidmeier, H., Hoelzer, D., Ottmann, O. G., Koeffler, H. P. Ph⁺ Acute Lymphoblastic Leukemia Resistant to the Tyrosine Kinase Inhibitor STI571 has a Unique BCR-ABL Gene Mutation. Blood, Volume 99 (March 1, 2002) Pages 1860-1862
		Hou, Y.Y., Tan, Y.S., Sun, M.H., Wei, Y.K., Xu, J.F., Lu, S.H., A-Ke-Su, S.J., Zhou, Y.N., Gao, F., Zheng, A.H., Zhang, T.M., Hou, W.Z., Wang, J., Du, X., Zhu, X.Z. C-kit Gene Mutation in Human Gastrointestinal Stromal Tumors. World Journal of Gastroenterology, Volume 10 (May 1, 2004) Pages 1310-1314.
		Housey, G.M. The Role of Protein Kinase C in Growth Control and Tumor Promotion. Ph.D. Dissertation, (1988)
		Huang, M.T., Ma, W., Yen, P., Xie, J.G., Han, J., Frenkel, K., Grunberger, D., Conney, A.H. Inhibitory effects of caffeic acid phenethyl ester (CAPE) on 12-O-tetradecanoylphorbol-13-acetate-induced tumor promotion in mouse skin and the synthesis of DNA, RNA and protein in HeLa cells. Carcinogenesis, 1996 Apr;17(4):761-5.
		Huron, D.R., Gorre, M.E., Kraker, A.J., Sawyers, C.L., Rosen, N., Moasser, M.M. A Novel Pyridopyrimidine Inhibitor of Abl Kinase is a Picomolar Inhibitor of Bcr-Abl-driven K562 Cells and is Effective Against STI571-resistant Bcr-Abl Mutants. Clinical Cancer Research, Volume 9 (April 2003) Pages 1267-1273
		La Rosee, P., Corbin, A.S., Stoffregen, E.P., Deininger, M.W., Druker, B.J. Activity of the Bcr-Abl Kinase Inhibitor PD180970 Against Clinically Relevant Bcr-Abl Isoforms That Cause Resistance to Imatinib Mesylate (Gleevec, STI-571). Cancer Research, Volume 62 (December 15, 2002) Pages 7149-7153

EXAMINER INITIAL		AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.
		Latham, H.G. Jr., May, E.L., Mosettig, E. Amino – and Guanidino-Phenylglucosides. Journal of Organic Chemistry, Volume 15 (1950) Pages 884-889.
		Le Coutre, P., Tassi, E., Varella-Garcia, M., Barni, R., Mologni, L., Cabrita, G., Marchesi, E., Supino, R., Gambacorti-Passerini, C. Induction of Resistance to the Abelson Inhibitor STI571 in Human Leukemic Cells Through Gene Amplification. Blood, Volume 95:5 (March 1, 2000) Pages 1758-1766.
		Lee, S.P., Jun, G., Yoon, E.J. Park, S., Yang, C.H. Inhibitory Effect of Methyl Caffeaate on Fos-Jun-DNA ComplexFormation and Suppression of Cancer Cell Growth Bull. Korean Chem. Soc. 2001, Vol. 22, No. 10 1131
		Leonard, G.D., Fojo, T., Bates, S.E. The Role of ABC Transporters in Clinical Practice. The Oncologist, Volume 8 (2003) Pages 411-424.
		Loutfy, M.R., Walmsley, S.L. Salvage Antiretroviral Therapy in HIV Infection. Expert Opinion, Volume 3 (February 2002) Pages 81-90.
		Lynch, T.J., M.D., Bell, D.W., Ph.D., Sordella, R., Ph.D., Gurubhagavatula, S., M.D., Okimoto, R.A., B.S., Brannigan, B.W., B.A., Harris, P.L., M.S., Haserlat, S.M., B.A., Supko, J.G., Ph.D., Haluska, F.G., M.D., Ph.D., Louis, D.N., M.D., Christiani, D.C., M.D., Settleman, J., Ph.D., Haber, D.A., M.D., Ph.D. Activating Mutations in the Epidermal Growth Factor Receptor Underlying Responsiveness of Non-Small-Cell Lung Cancer to Gefitinib. The New England Journal of Medicine, Volume 350:21 (May 20, 2004) Pages 2129-2139.
		Mahon, F.X., Deininger, M.W.N., Schultheis, B., Chabrol, J., Reiffers, J., Goldman, J.M., Melo, J.V. Selection and Characterization of BCR-ABL Positive Cell Lines with Differential Sensitivity to the Tyrosine Kinase Inhibitor STI571: Diverse Mechanisms of Resistance. Blood, Volume 96:3 (August 1, 2000) Pages 1070-1079.
		Mansky, L.M., Temin, H.M. Lower In Vivo Mutation Rate of Human Immunodeficiency Virus Type 1 than that Predicted from the Fidelity of Purified Reverse Transcriptase. Journal of Virology, Volume 69 (August 1995) Pages 5087-5094.
		Marshall, J.R., Walker, J. Experimental Study of Some Potentially Tautomeric 2- and 4(6)-Substituted Pyrimidines. Journal of the Chemical Society, (1951) Pages 1004-1017.
		Marx, J. Why a New Cancer Drug Works Well in Some Patients. Science, Volume 304 (April 30, 2004) Pages 658-659.
		Melo, J.V., Myint, H., Galton, D.A., Goldman, J.M. P190BCR-ABL chronic myeloid leukaemia: the missing link with chronic myelomonocytic leukaemia? Leukemia, Volume 8 (January 1994) Pages 208-211.
		Nair, M.D., Mehta, S.R. Syntheses and Reactions of Condensed Isoquinolines - Imidazo, Pyrimido, Triazolo and Tetrazolo Isoquinolines. Indian Journal of Chemistry, Volume 5 (September 1967) Pages 403-408.
		Noble, M.E.M., Endicott, J.A., Johnson, L.N. Protein Kinase Inhibitors: Insights into Drug Design from Structure. Science, Volume 303 (March 19, 2004) Pages 1800-1805.
		O'Hare, T., Pollock, R., Stoffregen, E.P., Keats, J.A., Abdullah, O.M., Moseson, E.M., Rivera, V.M., Tang, H., Metcalf, C.A. 3rd, Bohacek, R.S., Wang, Y., Sundaramoorthi, R., Shakespeare, W.C., Dalgarno, D., Clackson, T., Sawyer, T.K., Deininger, M.W., Druker, B.J. Inhibition of wild-type and mutant Bcr-Abl by AP23464, a potent ATP-based oncogenic protein kinase inhibitor: implications for CML. Blood, Volume 104:8 (October 15, 2004) Pages 2532-2539.
		Paez, J.G., Jänne, P.A., Lee, J.C., Tracy, S., Greulich, H., Gabriel, S., Herman, P., Kaye, F.J., Lindeman, N., Boggon, T.J., Naoki, K., Sasaki, H., Fujii, Y., Eck, M.J., Sellers, W.R., Johnson, B.E., Meyerson, M. EGFR Mutations in Lung Cancer: Correlation with Clinical Response to Gefitinib Therapy. Scienceexpress (April 29, 2004) Pages 1-4.
		Ravandi, F., Cortes, J., Albitar, M., Arlinghaus, R., Qiang, Guo J., Talpaz, M., Kantarjian, H.M. Chronic myelogenous leukaemia with p185(BCR/ABL) expression: characteristics and clinical significance. British Journal of Haematology, Volume 107 (December 1999) Pages 581-586.
		Sawyers,C.L. M.D. Chronic Myeloid Leukemia. The New England Journal of Medicine, Volume 340 (April 29,1999) Pages 1330-1340.
		Schindler, T., Bornmann,W., Pellicena, P., Miller, W.T., Clarkson, B., Kuriyan, J. Structural Mechanism for STI-571 Inhibition of Abelson Tyrosine Kinase. Science, Volume 289 (September 15, 2000) Pages 1938-1942.
		Senechal, K., Halpern, J., Sawyers, C.L. The CRKL Adaptor Protein Transforms Fibroblasts and Functions in Transformation by the BCR-ABL Onocogene. The Journal of Biological Chemistry, Volume 271:38 (September 20, 1996) Pages 23255-23261.
		Senechal, K., Heaney, C., Druker, B., Sawyers, C.L. Structural Requirements for Function of the Crkl Adapter Protein in Fibroblasts and Hematopoietic Cells. Molecular and Cellular Biology, Volume 18:9 (September 1998) Pages 5082-5090.
		Shah, N.P., Tran, C., Lee, F.Y., Chen, P., Norris, D., Sawyers, C.L. Overriding Imatinib Resistance with a Novel ABL Kinase Inhibitor. Science, Volume 305 (July 16, 2004) Pages 399-401.

EXAMINER INITIAL		AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.
		Shearer, B.G., Lee, S., Franzmann, K.W., White, H.A.R., Sanders, D.C.J., Kiff, R.J., Garvey, E.P., Furfine, E.S. Conformationally Restricted Arginine Analogues as Inhibitors of Human Nitric Oxide Synthase. Bioorganic and Medicinal Chemistry Letters, Volume 7 (July 8, 1997) Pages 1763-1768.
		Tipping, A.J., Baluch, S., Barnes, D.J., Veach, D.R., Clarkson, B.M., Bornmann, W.G., Mahon, F.X., Goldman, J.M., Melo, J.V. Efficacy of dual-specific Bcr-Abl and Src-family kinase inhibitors in cells sensitive and resistant to imatinib mesylate. Leukemia, Volume 18 (August 2004) Pages 1352-1356.
		von Bubnoff, N., Schneller, F., Peschel, C., Duyster, J. BCR-ABL Gene Mutations in Relation to Clinical Resistance of Philadelphia-Chromosome-Positive Leukemia to STI571: A Prospective Study. The Lancet, Volume 359 (February 9, 2002) Pages 487-491.
		von Bubnoff, N., Veach, D.R., Van Der Kuip, H., Aulitzky, W.E., Sanger, J., Seipel, P., Bornmann, W.G., Peschel, C., Clarkson, B., Duyster, J. A cell-based screen for resistance of Bcr-Abl positive leukemia identifies the mutation pattern for PD166326, an alternative Abl kinase inhibitor. Blood, Volume 105 (February 15, 2005) Pages 1652-1659.
		Wakai, T., Kanda, T., Hirota, S., Ohashi, A., Shirai, Y. Hatakeyama, K. Late Resistance to Imatinib Therapy in a Metastatic Gastrointestinal Stromal Tumour is Associated With a Second KIT Mutation. British Journal of Cancer, Volume 90 (June 1, 2004) Pages 2059-2061.
		Weigel, U., Meyer, M., Sebald, W. Mutant Proteins of Human Interleukin 2: Renaturation Yield, Proliferative Activity and Receptor Binding. European Journal of Biochemistry, Volume 180 (March 15, 1989) Pages 295-300.
		Weisberg, E., Catley, L., Kujawa, J., Atadja, P., Remiszewski, S., Fuerst, P., Cavazza, C., Anderson, K., Griffin, J.D. Histone deacetylase inhibitor NVP-LAQ824 has significant activity against myeloid leukemia cells in vitro and in vivo. Leukemia, Volume 18 (December 2004) Pages 1951-1963.
		Weisberg, E., Griffin, J.D. Mechanism of Resistance to the ABL Tyrosine Kinase Inhibitor STI 571 in BCR/ABL-Transformed Hematopoietic Cell Lines. Blood, Volume 95:11 (June 1, 2000) Pages 3498-3505.
		Weisberg, E., Manley, P.W., Breitenstein, W., Bruggen, J., Cowan-Jacob, S.W., Ray, A., Huntly, B., Fabbro, D., Fendrich, G., Hall-Meyers, E., Kung, A.L., Mestan, J., Daley, G.Q., Callahan, L., Catley, L., Cavazza, C., Azam, M., Neuberg, D., Wright, R.D., Gilliland, D.G., Griffin, J.D. Characterization of AMN107, a selective inhibitor of native and mutant Bcr-Abl. Cancer Cell, Volume 7 (February 2005) Pages 129-141.
		Wu, M.T., MacCoss, M., Ikeler, T.J., Hirshfield, J., Arison, B.H., Tolman, R.L. Annelated Piperazinyl-7,8-dihydro-6H-thiopyrano[3,2-d]pyrimidines. Journal of Heterocyclic Chemistry, Volume 27 (1990) Pages 1559-1563.
		Xue, Y., Hang, C. Study of the anti-carcinogenic effects of three compounds in <i>Kaempferia galanga</i> L. WeiSheng Yan Jiu , Volume 31 (2002), Pages 247-8.

EXAMINER	DATE CONSIDERED
EXAMINER: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	